Active Recombinant Human TXN2 protein, His-tagged

Cat. No. TXN2-1179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TXN2 protein(Q99757)(Thr60-Gly166), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr60-Gly166
Form	Lyophilized from sterile PBS, pH 8.3Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to catalyze the reduction of insulin. The reaction leads to precipitation, which can be measured by absorbance at 650 nm. The specific activity is 5-8 A650/min/mg.
Molecular Mass	The recombinant human TXN2 consisting of 118 amino acids and has a calculated molecular mass of 13.4 kDa. The apparent molecular mass of the protein is approximately 13 kDa in SDS-PAGE under reducing conditions.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TXN2 thioredoxin 2 [Homo sapiens]
Official Symbol	TXN2
Synonyms	TXN2; thioredoxin 2; thioredoxin, mitochondrial; MT TRX; thioredoxin-2; mitochondrial thioredoxin; MTRX; TRX2; MT-TRX;
Gene ID	25828
mRNA Refseq	NM_012473
Protein Refseq	NP_036605
MIM	609063
UniProt ID	Q99757

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